

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: March 9, 2002, 01:06:56 ; Search time 755.06 Seconds
(without alignments)
32.928 Million cell updates/sec

Title: US-09-851-670-5

Perfect score: 29
Sequence: 1 ttggcttggtgctgctgctgcttca 29

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 930621 seqs, 42862619 residues

Total number of hits satisfying chosen parameters: 1026190

Minimum DB seq length: 0
Maximum DB seq length: 60

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

N_Geneseq_1101:*

1:	/SID2/gcgdata/geneseq/geneseqn/NA1980.DAT:*
2:	/SID2/gcgdata/geneseq/geneseqn/NA1981.DAT:*
3:	/SID2/gcgdata/geneseq/geneseqn/NA1982.DAT:*
4:	/SID2/gcgdata/geneseq/geneseqn/NA1983.DAT:*
5:	/SID2/gcgdata/geneseq/geneseqn/NA1984.DAT:*
6:	/SID2/gcgdata/geneseq/geneseqn/NA1985.DAT:*
7:	/SID2/gcgdata/geneseq/geneseqn/NA1986.DAT:*
8:	/SID2/gcgdata/geneseq/geneseqn/NA1987.DAT:*
9:	/SID2/gcgdata/geneseq/geneseqn/NA1988.DAT:*
10:	/SID2/gcgdata/geneseq/geneseqn/NA1989.DAT:*
11:	/SID2/gcgdata/geneseq/geneseqn/NA1990.DAT:*
12:	/SID2/gcgdata/geneseq/geneseqn/NA1991.DAT:*
13:	/SID2/gcgdata/geneseq/geneseqn/NA1992.DAT:*
14:	/SID2/gcgdata/geneseq/geneseqn/NA1993.DAT:*
15:	/SID2/gcgdata/geneseq/geneseqn/NA1994.DAT:*
16:	/SID2/gcgdata/geneseq/geneseqn/NA1995.DAT:*
17:	/SID2/gcgdata/geneseq/geneseqn/NA1996.DAT:*
18:	/SID2/gcgdata/geneseq/geneseqn/NA1997.DAT:*
19:	/SID2/gcgdata/geneseq/geneseqn/NA1998.DAT:*
20:	/SID2/gcgdata/geneseq/geneseqn/NA1999.DAT:*
21:	/SID2/gcgdata/geneseq/geneseqn/NA2000.DAT:*
22:	/SID2/gcgdata/geneseq/geneseqn/NA2001.DAT:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	17	58.6	54	17	AA64457
2	16.8	57.9	54	21	AA611234
3	16.4	56.6	30	22	AA500064
4	16.2	55.9	54	16	AA56654
5	16	55.2	18	22	AA579620
6	15.8	54.5	39	21	AA338033
7	15.4	53.1	34	17	AA64405
8	15.4	53.1	54	18	AA575437
9	14.8	51.0	18	22	AA579619
10	14.8	51.0	30	20	AA515829
11	14.8	51.0	50	10	AA592002

12	14.8	51.0	56	22	AA61490	Hirudin/gprf fusio
13	14.6	50.3	24	22	AA582975	Human DNMT3L cDNA
14	14.6	50.3	29	17	AA539663	PCR primer for CDN
15	14.6	50.3	54	21	AA64475	Rabbit stromelysin
16	14.6	50.3	54	18	AA571655	Human KDR VEGF rec
17	14.6	50.3	54	18	AA570194	Human flt1 VEGF rec
18	14.6	50.3	54	18	AA562681	Granule bound star
19	14.4	49.7	26	15	AA572851	Primer 32 to ampli
20	14.4	49.7	28	18	AA580548	Methanol regulated
21	14.4	49.7	30	14	AA535279	UL9 polylt test seq
22	14.4	49.7	30	15	AA5069859	UL9 polylt test seq
23	14.4	49.7	30	18	AA549549	UL9 binding site s
24	14.4	49.7	30	20	AA517609	HSV UL9 protein de
25	14.4	49.7	42	19	AA530388	Oligomer p42r26 u
26	14.4	49.7	54	17	AA567223	Mouse CD40 hairpin
27	14.2	49.0	20	18	AA587704	Avian infectious b
28	14.2	49.0	21	21	AA540335	PCR primer pl. Sy
29	14.2	49.0	31	21	AA530492	C. tropicalis CPRB
30	14.2	49.0	35	18	AA593823	Antitumoural phosp
31	14.2	49.0	35	21	AA555222	Neisseria species
32	14.2	49.0	38	21	AA571541	S. putrefaciens PK
33	14.2	49.0	40	18	AA592677	EBV gene specific
34	14.2	49.0	41	18	AA593841	Phosphodiester Oli
35	14.2	49.0	43	18	AA578832	Gamma heavy chain
36	14.2	49.0	43	19	AA539273	AAV39273
37	14.2	49.0	43	20	AA522027	Oligonucleotide us
38	14.2	49.0	49	18	AA580460	Hepatoma AS-30D ty
39	14.2	49.0	51	21	AA540468	Plasmid pHLA3 DN
40	14.2	49.0	51	22	AA537804	Human SNP flanking
41	14.2	49.0	54	16	AA523964	Human gene signatu
42	14.2	49.0	56	21	AA511206	Human secreted pro
43	14.2	49.0	56	21	AA511274	Human secreted pro
44	14.2	49.0	56	21	AA535918	Human SCNA PCR-SS
45	14.2	49.0	56	21	AA535918	IFN-gamma 2' F RNA

ALIGNMENTS

RESULT 1	AA64457/c	AA64457 standard; RNA; 54 BP.
ID	AA64457	
AC	AA64457	
XX		
DT	20-JUL-1999	(first entry)
XX		
DE	Rabbit stromelysin hairpin ribozyme SPQ ID NO:1089.	
XX		
KW	Arthritic condition; graft tolerance; immune response; target; cleavage;	
KW	hammerhead ribozyme; hairpin ribozyme; human; rabbit; mouse; collagenase;	
KW	stromelysin; synovial membrane; joint; arthritis; osteoarthritis;	
KW	rheumatoid arthritis; autoimmune disease; allergy; inflammation;	
XX	diagnosis; ss.	
OS	Synthetic.	
OS	Oryctolagus cuniculus.	
XX		
PN	MO9618736-A2.	
XX		
PD	20-JUN-1996.	
XX		
XX		
PF	22-NOV-1995;	95WO-0515516.
XX		
XX		
PR	05-OCT-1995;	95US-0541365.
PR	13-DEC-1994;	94US-0354920.
PR	23-DEC-1994;	94US-0363253.
PR	23-DEC-1994;	94US-0363254.
PR	17-FEB-1995;	95US-0390850.
PR	20-APR-1995;	95US-0426124.
PR	02-MAY-1995;	95US-0432874.
PR	04-MAY-1995;	95US-0434509.
PR	07-JUL-1995;	95US-0000951.

```

PR 07-JUL-1995; 95US-0000974.
PR 07-AUG-1995; 95US-0512861.
XX
XX
PA (RIBO-) RIBOZYME PHARM INC.
PI Draper K, Gustofson J, McSwiggen J, Pavco P, Stinchcomb DT;
PI Beigelman L, Kapelsky A, Modak A, Usman N, Burgin A;
PI Matlicc-Adamic J, Jarvis T, Thompson JD, Wincott F;
XX
XX WPI: 1996-300653/30.
XX
XX Enzymatic nucleic acid molecules having a hammer-head motif - used
PT for the treatment of arthritis, induction of graft tolerance or
PT treatment of auto-immune diseases
XX
XX Example 1: Page 165; 307pp; English.
XX
XX The present invention describes a novel enzymatic nucleic acid (ENA)
CC having a hammerhead motif (HM) comprising: (i) at least 5 ribose
CC residues; (ii) a 2'-C-allyl modification at position 4 of the ENA; (iii)
CC at least ten 2'-O-methyl modifications; and (iv) a 3'-end modification.
CC The ENA's can inhibit collagenase and stromelysin production in the
CC synovial membrane of joints for the treatment or prevention of arthritis,
CC particularly osteoarthritis or rheumatoid arthritis. The ENA's can also
CC be used to treat antigen presenting cells of a donor to induce tolerance
CC in a recipient to an alloantigen of a donor. They can also be used for
CC enhancing graft tolerance or for treating autoimmune disease, and for
CC treating allergies and other inflammatory conditions. The ENA's can also
CC be used in diagnosis. Ribozyme therapy impacts on the expression of
CC stromelysin without introducing the non-specific effects upon gene
CC expression which accompany treatment with retinoids and dexamethasone.
CC The concentration of ribozyme required to affect a therapeutic treatment
CC is lower than that required of antisense molecules, and is highly
CC specific. The present sequence is used in the exemplification of the
CC present invention.
XX
XX Sequence 54 BP; 20 A; 12 C; 13 G; 9 U; 0 other;
SQ

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PI	Dumas Milne Edwards J.,	Nucleur A,	Giordano J;
DR	WP1: 2000-500381/45.		
XX	New nucleic acid that is a 5' expressed sequence tag (5' EST) for		
PT	obtaining cDNAs and genomic DNAs that correspond to 5'ESTs and for		
XX	diagnostic, forensic, gene therapy and chromosome mapping procedures -		
PS	Claim 1; SEQ ID 15309; 71pp + CD-ROM; English.		
CC	The present sequence is one of a large number of 5' ESTs derived from		
CC	mRNAs encoding secreted proteins. No ORF has yet been conclusively		
CC	identified within the present sequence. The 5' ESTs were prepared from		
CC	total human RNAs or polyA+ RNAs derived from 30 different tissues. EST		
CC	sequences usually correspond mainly to the 3' untranslated region (UTR)		
CC	of the mRNA because they are often obtained from oligo-dT primed cDNA		
CC	libraries. Such ESTs are not well suited for isolating cDNA sequences		
CC	derived from the 5' ends of mRNAs and even in those cases where longer		
CC	cDNA sequences have been obtained, the full 5' UTR is rarely included.		
CC	5' ESTs are derived from mRNAs with intact 5' ends and can therefore be		
CC	used to obtain full length cDNAs and genomic DNAs. 5' ESTs are also used		
CC	in diagnostic, forensic, gene therapy and chromosome mapping procedures.		
CC	They are used to obtain upstream regulatory sequences and to design		
CC	expression and secretion vectors.		
SO	Sequence 54 BP; 9 A; 5 C; 12 G; 28 T; 0 other;		
QY	2	ttgctctgctgcgtcgtctgtttcca	29
Db	6	ttagtttctgtgtcgtctgtttcca	33
XX	RESULT 3		
XX	AAS00064/C		
XX	AAS00064 standard; DNA; 30 BP.		
XX	AAS00064;		
DT	12-SEP-2001	(first entry)	
XX	Synthetic encoded DNA linker.		
XX	Encoded linker; microarray; protein display; addressing element; ss.		
XX	Synthetic.		
XX	Key	Location/Qualifiers	
FT	modified_base	30	
FT	/*tag=	a	
FT	/mod_base=	OTHER	
XX	/note= "Other= Covalently linked to puromycin"		
XX	WO200116352-A1.		
XX	08-MAR-2001.		
XX	25-AUG-2000; 2000WO-US23414.		
XX	27-AUG-1999; 99US-0151261.		
XX	(PHYL-) PHYLLOS INC.		
PI	Kuimelis RG;		
XX	WPI: 2001-183261/18.		
PT	Encoding and sorting in vitro translated proteins, useful for the		
PT	identification of desired binding partners, comprises attaching a		

XX OS Homo sapiens.
XX XX US6187586-B1.
XX PN 13-FEB-2001.
XX PD 29-DEC-1999; 9905-0474922.
XX PE 29-DEC-1999; 9905-0474922.
XX PR 29-DEC-1999; 9905-0474922.
XX XX (ISIS-) ISIS PHARM INC.
XX PA (Monia BP, Cowser LM, Roth RA;
XX PI WPI: 2001-264979/27.
XX DR WPI: 2001-264979/27.
XX PT New antisense compounds targeting nucleic acids encoding human Akt-3
XX PT useful for treating a disease or condition associated with Akt-3
XX PT expression, or in preventing or delaying inflammation or tumor
XX PT formation
XX XX
XX PS Example 15; Column 38; 37pp; English.
XX CC The present sequence is one of a number of antisense compounds of up to
XX CC 30 nucleobases in length targeted to a nucleic acid encoding human Akt-3.
XX CC The antisense compounds are useful for inhibiting the expression of human
XX CC Akt-3 in human cells or tissues. They are also useful for modulating the
XX CC expression of Akt-3, and for treating a human or an animal suspected of
XX CC having, or being prone to, a disease or condition associated with Akt-3
XX CC expression. The antisense compounds may also be used as research
XX CC reagents, in kits and in diagnostics, e.g. to elucidate the function of a
XX CC particular gene or to distinguish between functions of various members of a
XX CC biological pathway; and as a prophylactic, e.g. to prevent or delay
XX CC infection, inflammation or tumour formation.
XX SQ Sequence 18 BP; 0 A; 3 C; 6 G; 9 T; 0 other;

Query Match 55.2%; Score 16; DB 22; Length 18;
Best Local Similarity 100.0%; Pred. No. 8.9e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 ttgcttgcgtgcgtc 17
Db 1 ttgcttgcgtgcgtc 16

RESULT 6
AAA38033/c
ID AAA38033 standard; DNA; 39 BP.
XX AAA38033;
XX AC
XX XX
XX DT 22-AUG-2000 (first entry)
XX XX
XX DE PCR primer for phosphotrehalase enzyme (trea) gene amplification.
XX XX Trehalose-6-phosphate synthase; TPS; trehalose metabolism; potato;
XX XX transgenic plant; sugarcane; sugarcane; stress tolerant; food storage;
XX XX dehydration; PCR primer; trea; phosphotrehalase; ss.
XX OS Bacillus subtilis.
XX PN WO200022141-A2.
XX PD 20-APR-2000.
XX XX
XX PF 15-OCT-1999; 99WO-EP07913.
XX PR 15-OCT-1999; 98EP-0203469.
XX PA (130V-) LEUVEN RES & DEV.

PA (BIOT-) INST BIOTECNOLOGIA UNAM.
XX XX
XX XX Iturriaga De La Fuente G, Thevelein JM, Van Dijk P;
XX PI Mascoito-Gallardo JO, Van Vaeck C;
XX XX WPI: 2000-317993/27.
XX DR
XX XX
XX XX Preparation of eukaryotic organisms containing a genetic modification
XX XX of the activity of trehalose-6-phosphate synthase useful for production
XX XX of systems which are tolerant to stress
XX PS Example 10; Page 40; 79pp; English.
XX CC This invention relates to a method for the preparation of a eukaryotic
XX CC organism (plant, animal or fungi) which shows constitutive, inducible
XX CC and/or organ specific expression of a specifically modified
XX CC trehalose-6-phosphate synthase (TPS) gene. TPS is involved in trehalose
XX CC metabolism, alongside trehalase (TPS) gene. TPS is involved in trehalose
XX CC metabolism plays an important role in storage sugar accumulation, stress
XX CC resistance, and the control of glucose influx into glycolysis and
XX CC glucose-induced signalling. The present sequence represents a PCR primer
XX CC used to amplify the Bacillus subtilis phosphotrehalase enzyme (trea)
XX CC gene. The PCR product is used in a Trehalose-6-phosphate assay. The assay
XX CC is used to test the effectiveness of the method of the invention. The
XX CC method involves deleting the N-terminal fragment of the TPS-1 protein in
XX CC order to achieve increased TPS-1 activity. The method provides plants,
XX CC animals or fungi with elevated activity of TPS and/or altered regulatory
XX CC capacity of TPS activity. Expression of TPS activity renders the
XX CC organism tolerant to stress so that for example crop plants could be
XX CC cultured in regions suffering from heat, drought or freezing. Perishable
XX CC foods from plant or animal origin could be preserved by simple
XX CC dehydration, enabling storage over a prolonged period of time and
XX CC transport over long distances. Potato, sugarcane and sugarcane can be
XX CC used as systems for overproducing trehalase which could then be used to
XX CC preserve biomolecules for industrial use such as restriction and
XX CC modification enzymes.
XX SQ Sequence 39 BP; 15 A; 5 C; 11 G; 8 T; 0 other;

Query Match 54.5%; Score 15.8; DB 21; Length 39;
Best Local Similarity 89.5%; Pred. No. 1.1e+03;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 11 gtgcgttcgttcgttc 29
Db 32 GCGCTTTGTTGTTTCA 14

RESULT 7
AAK64405/c
ID AAK64405 standard; RNA; 54 BP.
XX AAK64405;
XX AC
XX XX
XX DT 20-JUL-1999 (first entry)
XX XX
XX DE Human stromelysin hairpin ribozyme SEQ ID NO:1037.
XX XX Arthritic condition; graft tolerance; immune response; target; cleavage;
XX XX hammerhead ribozyme; hairpin ribozyme; human; rabbit; mouse; collagenase;
XX XX stromelysin; synovial membrane; joint; arthritis; osteoarthritis;
XX XX rheumatoid arthritis; autoimmune disease; allergy; inflammation;
XX XX diagnosis; ss.
XX OS Synthetic.
XX OS Homo sapiens.
XX PN WO9618736-A2.
XX PD 20-JUN-1996.
XX PF 22-NOV-1995; 95WO-US15516.

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XX 05-OCT-1995; 95US-0541365.
PR 13-DEC-1994; 94US-0354920.
PR 23-DEC-1994; 94US-0363253.
PR 23-DEC-1994; 94US-0363253.
PR 17-FEB-1995; 95US-0390850.
PR 20-APR-1995; 95US-0426124.
PR 02-MAY-1995; 95US-0432874.
PR 04-MAY-1995; 95US-0434509.
PR 07-JUL-1995; 95US-0000951.
PR 07-JUL-1995; 95US-0000974.
PR 07-AUG-1995; 95US-0512861.

XX (RIBO-) RIBOZYME PHARM INC.
PA
PI Draper K, Gustofson J, McSwiggen J, Pavco P, Stinchcomb DT;
PI Belgeiman L, Kapelsky A, Modak A, Usman N, Burgin A;
PI Metulic-Adamic J, Jarvis T, Thompson JD, Wincott F;
DR
XX WPI: 1996-300653/30.
XX
XX Enzymatic nucleic acid molecules having a hammer-head motif - used
PT for the treatment of arthritis, induction of graft tolerance or
PT treatment of auto-immune diseases
XX
XX Example 1: Page 164; 307pp; English.
XX
XX The present invention describes a novel enzymatic nucleic acid (ENA)
CC having a hammerhead motif (HM) comprising: (i) at least 5 ribose
CC residues; (ii) a 2'-C-allyl modification at position 4 of the ENA; (iii)
CC at least ten 2'-O-methyl modifications; and (iv) a 3'-end modification.
CC The ENA's can inhibit collagenase and stromelysin production in the
CC synovial membrane of joints for the treatment or prevention of arthritis,
CC particularly osteoarthritis or rheumatoid arthritis. The ENA's can also
CC be used to treat antigen presenting cells of a donor to induce tolerance
CC in a recipient to an alloantigen of a donor. They can also be used for
CC enhancing graft tolerance or for treating autoimmune disease, and for
CC treating allergies and other inflammatory conditions. The ENA's can also
CC be used in diagnosis. Ribozyme therapy impacts on the expression of
CC stromelysin without introducing the non-specific effects upon gene
CC expression which accompany treatment with retinoids and dexamethasone.
CC The concentration of ribozyme required to affect a therapeutic treatment
CC is lower than that required of antisense molecules, and is highly
CC specific. The present sequence is used in the exemplification of the
XX present invention.
XX
XX Sequence 54 BP; 20 A; 12 C; 12 G; 10 U; 0 other;
XX
XX
XX Query Match 53.1%; Score 15.4; DB 17; Length 54;
XX Best Local Similarity 76.0%; Pred. No. 1.7e+03;
XX Matches 19; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
XX
XX 1 ttgagcttgagtcgcttcctgtt 25
XX | | | | | | | | | | | | | |
XX | | | | | | | | | | | | | |
XX 30 TGTTCCTCGTAGTTCCTCTCGTT 6
XX
XX RESULT 8
XX ID AAX75437 standard; RNA; 54 BP.
XX AAX75437
XX AC
XX AAX75437;
XX
XX 28-JUL-1999 (first entry)
XX
XX Mouse flt-1 VEGF receptor hairpin ribozyme #21.
XX
XX Vascular endothelial growth factor receptor; VEGF receptor; flt-1;
XX flk-1; KDR; hammerhead ribozyme; hairpin ribozyme; cleavage;
XX tumour angiogenesis; psoriasis; rheumatoid arthritis; ocular disease;
XX fms-like tyrosine kinase 1; kinase insert domain containing receptor;
XX foetal liver kinase 1; ss.

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OS	Synthetic.
OS	Mus sp.
XX	
PN	WO9715662-A2.
XX	
PD	01-MAY-1997.
XX	
PF	25-OCT-1996; 96WO-US17480.
XX	
PR	11-JAN-1996; 96US-0584040.
XX	
PR	26-OCT-1995; 95US-0005974.
XX	
PA	(CHIR) CHIRON CORP.
XX	
PI	(RIBO-) RIBOZYME PHARM INC.
XX	
PI	Escobedo J, McSwiggen J, Pavco P, Stinchcomb D;
XX	
DR	WPI: 1997-259017/23.
XX	
PT	Nucleic acid molecule modulating VEGF receptor(s) gene expression or
PT	mRNA stability - useful for treating e.g. tumour angiogenesis,
PT	psoriasis, rheumatoid arthritis, etc., in a human patient
XX	
PS	Claim 9; Page 185; 218pp; English.
XX	
CC	The present invention describes nucleic acid molecules which modulate
CC	the synthesis, expression and/or stability of a mRNA encoding 1 or more
CC	receptors of vascular endothelial growth factor (VEGF). A patient
CC	(preferably human) having a condition associated with the level of the
CC	fms-like tyrosine kinase 1 (flt-1), kinase insert domain containing
CC	receptor (KDR) and/or foetal liver kinase 1 (flk-1) (e.g. tumour
CC	angiogenesis, ocular diseases, psoriasis and rheumatoid arthritis) can
CC	be treated by administering the nucleic acid molecule or the expression
CC	vector to the patient. AAK67275 to AAX75752 represent specific examples
CC	of nucleic acid molecules from the present invention.
XX	
SQ	Sequence 54 BP; 20 A; 9 C; 14 G; 11 U; 0 other;
Query Match 53.1%; Score 15.4; DB 18; Length 54;	
Best Local Similarity 76.0%; Pred. No. 1.7e+03;	
Matches 19; Conservative 0; Mismatches 6; Indels 0; Gaps 0;	
QY	1 ttggcttggtgcgttcgttcgtc 25
	1
DB	30 tctttctctgcgtcgttccttctt 6
RESULT 9	
AAAF79619	
ID	AAAF79619 standard; DNA: 18 BP.
XX	
AC	AAAF79619;
XX	
DT	29-MAY-2001 (first entry)
XX	
DE	Human Akt-3 antisense oligonucleotide, SEQ ID NO: 27.
XX	
KW	Human: Akt-3; protein kinase; cytosolic; antinflammatory; infection;
XX	antisense therapy; inflammation; tumour; ss.
OS	
OS	Homo sapiens.
XX	
PN	US6187586-B1.
XX	
PD	13-FEB-2001.
XX	
PF	29-DEC-1999; 99US-0474922.
XX	
PR	29-DEC-1999; 99US-0474922.
XX	
PA	(ISIS-) ISIS PHARM INC.

Pt	New antisense compounds targeting nucleic acids encoding human Akt-3 useful for treating a disease or condition associated with Akt-3 expression, or in preventing or delaying inflammation or tumor formation -
PS	Claim 1; Column 38; 37pp: English.
XX	The present sequence is one of a number of antisense compounds of up to 30 nucleobases in length targeted to a nucleic acid encoding human Akt-3.
CC	The antisense compounds are useful for inhibiting the expression of human Akt-3 in human cells or tissues. They are also useful for modulating the expression of Akt-3, and for treating a human or an animal suspected of having, or being prone to, a disease or condition associated with Akt-3 expression. The antisense compounds may also be used as research reagents, in kits and in diagnostics, e.g. to elucidate the function of a particular gene or to distinguish between functions of various members of a biological pathway; and as a prophylactic, e.g. to prevent or delay infection, inflammation or tumour formation.
CC	Sequence 18 BP; 1 A; 3 C; 4 G; 10 T; 0 other;
SQ	
OY	Query Match 51.0%; Score 14.8; DB 22; Length 18; Best Local Similarity 88.9%; Pred. No. 2.7e+03; Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0 12 tcgtcgccttcgctttca 29 Db 1 tctgcgccttcgctttca 18
RESULT 10	
ID	AA15829/C
AX	AA15829 standard; DNA: 30 BP.
AC	AA15829;
XX	
D7	26-MAY-1999 (first entry)
DE	PCR primer TH36 of the invention.
XX	
RW	Antibody; epitope; protein G; respiratory syncytial virus; RSV;
KW	RSV-related disease; PCR primer; ss.
OS	Synthetic.
PN	WO9903987-A2.
PD	28-JAN-1999.
PF	17-JUL-1998; 98MO-FR01570.
PR	17-JUL-1997; 97FR-0009079.
PA	(FABR) FABRE MEDICAMENT SA PIERRE.
PI	Beck A, Goestch L, Nguyen TN, Power U;
WP	1999-132232/1.
PT	New antibodies directed against epitopes in protein G of respiratory syncytial virus - used for treatment, prevention and diagnosis of RSV infections
Example 3; Page 15; 54pp; French.	
The present PCR primer is used in the course of the invention. The specification describes mono- or poly-clonal antibodies that	

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CC are directed against an epitope that corresponds to amino acids
CC 150-159, 176-189, 194-207 or 155-176 of protein G of respiratory
CC syncytial virus (RSV), subgroups A or B. The antibodies are used
CC for treating, preventing (passive or active immunisation) and
CC diagnosing RSV-related diseases, including differentiating between
CC infection by subgroups A or B.
XX
SQ Sequence 30 BP; 14 A; 11 C; 5 G; 0 U; 0 other;

Query Match          51.0%; Score 14.8; DB 20; Length 30;
Best Local Similarity 73.1%; Pred. No. 2.8e+03;
Matches 19; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

OY      3 tgcgttgatgctgcgtcgttcgttcc 28
         | | ||||| | | | | | | |
Db       28 TCGGTTTGTCGTCTCGTTCGTTTCTTC 3

RESULT 11
ID      AAN92002 standard; DNA; 50 BP.
XX
AC      AAN92002;
XX
DT      17-Apr-1990 (first entry)
XX
DE      Sequence probe complementary to Neisseria gonorrhoeae genomic sequence
DE      SSJk1 combined with the xtl capture sequence.
XX
KW      Neisseria gonorrhoeae genomic sequence SSJk1; xtl capture sequence;
KW      file 'rcjk'; jkl.probes1(50).
XX
OS      Neisseria gonorrhoeae.
XX
FH      Key Location/Qualifiers
FT      misc_feature 1..30
FT      /*tag= a
FT      /*sequence probe"
FT      31..50
FT      /*tag= b
FT      /*xtl capture sequence"
XX
PN      W08903891-A.
XX
PD      05-MAY-1989.
XX
PE      14-OCT-1988; 88WO-US03644.
XX
PR      30-SEP-1988; 88US-0252638, US-109282.
XX
PA      (CHIR-) CHIRON CORP.
XX
PI      Urdea MS, Warner B, Running JA, Kolberg JA, Clyne JM;
PI      Sanchez-Pescador R;
XX
DR      WPJ; 1989-150787/20.
XX
PT      Nucleic acid multimer for hybridisation assays
PT      - having single-stranded oligo-nucleotide units
PT      capable of binding specifically to sequences of interest.
XX
PS      Fig 14; ; 112pp; English.
CC      The sequence probe (tag a ) is complementary to N. gonorrhoeae genomic
CC      sequence SSJk1 from the file 'rcjk'. It is used to assay crude cellular
CC      lysates and genomic DNA from different bacteria. It is called
CC      jkl.probes1(50).
XX
SQ      Sequence 50 BP; 8 A; 7 C; 14 G; 21 T; 0 other;
```


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